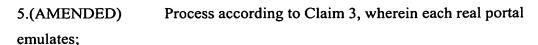
PCT/FR99/02863, filed November 22, 1999, which was published in accordance with PCT Article 21(2) on June 2, 2000.--

EL NO. EL685391181US

IN THE CLAIMS:

Please amend the claims (which are the annexes of the International Preliminary Examination Report) as follows. A marked up version of the amended claims is attached herewith.

- 1.(AMENDED) Process for managing isochronous resources in a communication network comprising at least two communication buses linked by way of a wireless transmission bridge, the bridge comprising for each bus a real portal connected to this bus, each portal being furnished with wireless communication means, wherein the process comprises the steps of:
- modelling the wireless bridge by each real portal in the form of virtual buses and virtual bridges, each virtual bridge comprising two virtual portals;
- emulating a global register of passband availability for the set of wireless links of the wireless bridge;
- reserving passband with the global register for the virtual buses representing each wireless link participating in a communication between two real portals.
- 2.(AMENDED) Process according to Claim 1, wherein a wireless link is modelled in the form of a virtual bridge.
- 3.(AMENDED) Process according to Claim 1, wherein a wireless link is modelled in the form of a virtual bus.
- Process according to Claim 1, wherein a group of wireless 4.(AMENDED) links linking a group of portals having complete connectivity within a bigger network with partial connectivity is modelled in the form of a virtual bus.



- a virtual portal forming together with the real portal a bridge linking the communication bus connected to the real portal to a virtual so-called internal bus also emulated by the real portal;
 - a virtual bridge for each wireless link with another real portal.
- Process according to Claim 2, wherein each real portal 6.(AMENDED) emulates:
- a virtual portal forming together with the real portal a bridge linking the communication bus connected to the real portal to a virtual so-called internal bus also emulated by the real portal;
- a virtual portal for each wireless link with other portals of the wireless bridge, two virtual portals corresponding to the same wireless link between two real portals forming a virtual bridge representing the wireless link.
- Process according to Claim 4, wherein it furthermore 7.(AMENDED) comprises the step of eliminating an internal bus and virtual portals connected thereto, and of contracting into a bridge the two orphan portals thus created, in the case where the real portal comprising the internal bus forms part of a single wireless link.
- Process according to Claim 1, wherein it furthermore 8.(AMENDED) comprises the step of determining, by each real portal, the set of wireless links between the real portals.
- 9.(AMENDED) Process according to Claim 8, wherein the step of determining the set of wireless links comprises the steps of:
- identifying, by each real portal, the other real portals whose data reach it directly;
- transmission destined for all the other real portals of the wireless network, of the list of real portals with which a direct link exists;
 - reception of the list compiled by each of the other portals.